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A 2002 update of the supplementary bibliography on roots of polynomials

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In [1] the author presented a bibliography on roots of polynomials, covering most published works on this topic from the beginning until approximately mid-1990. See [1] for some very brief remarks on the history and applications of the subject. Later, in [2] we presented a supplementary bibliography. This contained references to works not included in the original bibliography, either because they were not yet published, or because they had not yet been discovered by the author.

Later still, in [3], we announced a further supplementary bibliography, containing works published or discovered since the publication of [2].

At the time of publication of [2], the materials of [1,2] were combined into one file and made available via the World Wide Web. We intended that the new material referred to in [3] would be incorporated into that same file, but unfortunately this has proved technically difficult and has not been done. Instead the new material (including several hundred references discovered since the publication of [3]) has been included in a new file and placed on the World Wide Web in two different formats. The first is on the URL www.atkinson.yorku.ca/~mcnamee/BIBLIOG4.html; it is suitable for viewing by a web browser, especially AMAYA. Instructions for downloading the Amaya software are given in the appendix. Amaya enables mathematical symbols to be seen in their correct form. The other format is as a Microsoft Access Database, and is available at the URL www.yorku.ca/mcnamee; just click where it says "Click here to Download it" (under the statement "Part of my Bibliography on Polynomials is accessible here"). The Access database will be downloaded to the user's PC where they can use all the facilities of Access such as a query which selects only category 02 (see Note at end), or almost equivalently do a search for "Newton" in the Title or Notes.

These files will be updated fairly frequently as long as the author is able to do so.

In addition, there is an electronic annex to this paper containing the two mentioned files. These are accessible by subscribers to the paper Journal of Computational and Applied Mathematics. To access it go to the journal's homepage on http://www.elsevier.com/locate/cam; click on "Bibliography on

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Roots of Polynomials", then on "A 2002 update of ...", then on "electronic annex", or alternatively click on "A 2002 update of ...", then on "electronic annex".

The earlier components of the bibliography (referred to in [1,2]) can be accessed from the home-page of the *Journal of Computational and Applied Mathematics*: http://www.elsevier.com/locate/cam, by activating the hyperlink "Bibliography on roots of polynomials".

NOTE: The general subject of polynomial root finding has been divided into 32 categories (from *Bracketing methods* to *Continuation*), and each entry has been allocated one or more category numbers. For a partial list see Appendix A of [1]. The following have been added to that list: 30 (Matrix methods), 31 (Series), 32 (Continuation).

Appendix: Downloading Amaya

Go to www.w3.org/math
Go down a few pages to "Math ML Implementations: Amaya"
Go down about 2 pages to "Download Amaya i.j.k public release"
(where i.j.k. = current release number)
Go down to "Getting the binary distribution" and
(e.g.) Windows 95/98 Amaya-Windows95-i.j.k.exe
After downloading find Amaya... and double-click on it
Follow the prompts.

References

[1] J.M. McNamee, A bibliography on roots of polynomials, J. Comput. Appl. Math. 47 (1993) 391–394.
[2] J.M. McNamee, A supplementary bibliography on roots of polynomials, J. Comput. Appl. Math. 78 (1997) 1.
[3] J.M. Mcnamee, An updated supplementary bibliography on roots of polynomials, J. Comput. Appl. Math. 110 (1999) 305–306.